

1. Perform the indicated operations.

a. $3.25 + 0.87 + 16$

b. $-2.1 + 7.46$

c. $4.12 + (-3.15)$

d. $.009 \times .002$

e. $(-4.5)(-6.12)$

f. $(2.15)(-13.8)$

g. $7.24 \div 12$

h. $(-2400) \div 2.5$

i. $(-63.12) \div (-2.4)$

2. Round the following numbers to the nearest ten, hundred, and thousand place:

a. 456,782

b. 738,249

3. Round the following numbers to the nearest tenth, hundredth, and thousandth place:

a. 456.7826

b. 73.8247

4. A circle has a radius of 20 inches. What is the circumference of the circle? (Use 3.14 for π & round to the nearest hundredth when necessary)

5. A circle has a diameter of 20 meters. What is the circumference of the circle? (Use 3.14 for π & round to the nearest hundredth when necessary)

6. Write as a decimal, use an overbar to express any repeating decimals.

a. $15\frac{3}{8}$

b. $7\frac{2}{3}$

7. Write as a reduced fractions:

a. 0.675

b. 2.46

8. Place $>$, $<$ or $=$ between the two numbers. (Hint: first convert the fractions to decimals & then compare)

a. $\frac{3}{4}$ _____ 0.752

b. $\frac{3}{5}$ _____ 0.599

c. $\frac{2}{9}$ _____ $0.\overline{2}$

9. Solve the following equations.

a. $-3.5x - 2.2 = 11.8$

b. $6x + 10.5 = x + 21$

c. $0.15x + 0.23 = 1.43$

d. $2(x + 3.2) = x + 9.9$

10. Write 24.4% as a decimal.
11. Write $\frac{5}{16}$ as a percent.
12. Write 31.6% as a fraction in lowest terms.
13. 96 is 80% of what number?
14. What percent of 280 is 70?
15. Find 120% of 36.

Answers to Practice Test 5

1. a. 20.12 b. 5.36 c. 0.97 d. 0.000018
e. 27.54 f. -29.67 g. $0.60\overline{3}$ h. -960 i. 26.3
2. a. 456,780; 456,800; 457,000 b. 738,250; 738,200; 738,000
3. a. 456.8000; 456.7800; 456.7830 b. 73.8000; 73.8200; 73.8250
4. C = 125.6 inches
5. C = 62.8 meters
6. a. 15.375 b. $7.\overline{6}$
7. a. $\frac{27}{40}$ b. $2\frac{23}{50}$
8. a. < b. > c. =
9. a. x = -4 b. x = 2.1 c. x = 8 d. x = 3.5
10. 0.244
11. 31.25%
12. $\frac{79}{250}$
13. 120
14. 25%
15. 43.2